CLAIMS:

1. An optical disc drive comprising rotating means, defining a rotating axis for an optical disc, and optical scanning means, for scanning said optical disc with a light beam, said optical scanning means themselves comprising at least :

- a first light source, for producing said first light beam ;

- focusing means, applied to said light beam and provided between said first light source and a focusing point on an information layer on said first disc having a first cover layer ;

- an optical detector provided for receiving a first backward beam reflected from said information layer of said first disc ;

- a second light source for producing a second light beam also transmitted to said focusing means and for measuring tilt from the position, on said optical detector, of a second spot corresponding to a second backward beam obtained after reflection of said second light beam on said information layer of said first disc ;

said optical disc drive further comprising, between said focusing point and said optical detector, a diffractive structure provided with diffracting elements for substantially refocusing the returning second beam onto the detector.

2. An optical disc drive according to claim 1, in which said diffractive structure is attached to one surface of a servo-lens positioned just before said optical detector.

3. An optical disc drive according to claim 1, in which said diffractive structure is attached to one surface of an objective lens used as focusing means.

4. An optical disc drive according to claim 1, in which said diffractive structure is attached to a separate plate.

5. An optical disc drive according to anyone of claims 2, 3 and 4, in which said diffractive structure consists of a series of ring-shaped prisms.

6. An optical disc drive according to anyone of claims 2 and 3, in which the diffractive structure is approximated by a step-wise structure.